

Skullen a Coldie at the Servo w/M8ts

**A polytempic polymicrotonal horn duo for two Aussies on Walkabout
in 11 and 13 limit just intonation**

Peter Thoegersen

2020

Legend

Horn I

In 11-limit Just Intonation

1. 1/1, 0 cents = C
2. 12/11, 150 cents = C#
3. 10/9, 182 cents = Db
4. 9/8, 204 cents = D
5. 7/6, 267 cents = D#
6. 6/5, 315 cents = Eb
7. 5/4, 386 cents = E
8. 14/11, 418 cents = E#
9. 4/3, 498 cents = F
10. 11/8, 551 cents = Ex
11. 10/7, 617 cents = F#
12. 3/2, 702 cents = G
13. 11/7, 782 cents = Ab
14. 18/11, 852 cents = G#
15. 12/7, 933 cents = A
16. 7/4, 969 cents = Bb
17. 20/11, 1035 cents = A#
18. 11/6, 1050 cents = B

Horn II

In 13-limit Just Intonation

1. 1/1, 0 = C
2. 14/13, 129 cents = C#
3. 13/12, 139 cents = Db
4. 15/13, 248 cents = D
5. 13/11, 289 cents = Eb
6. 16/13, 360 cents = E#
7. 13/10, 454 cents = F
8. 18/13, 563 cents = F#
9. 13/9, 637 cents = Gb
10. 20/13, 746 cents = G
11. 13/8, 841 cents = G#
12. 22/13, 911 cents = A
13. 26/15, 952 cents = Bb
14. 24/13, 1061 cents = A#
15. 13/7, 1071 cents = B

Score

Skullen a Coldie at the Servo w M8ts

a polytempic polymicrotonal duo for two Horns

Peter Thoegersen

Allegro Vivace $\text{♩} = 135$

Horn in F I
11-limit JI

hand in bell, not too much [00:01.8] f [00:03.6] mp [00:05.4] ff

[00:07.1] pp [00:08.9] *Con sord.* [00:10.7] fff [00:12.5] f

[00:14.2] fff [00:16.0] $fffff$ [00:17.8] p [00:19.6] mf f

[00:21.4] fp [00:23.3] $sffz$ ppp [00:25.3] p [00:27.6] mp mf

[00:29.5] mf f [00:31.7] ff [00:33.8] ff *Senza sord.* [00:35.8] *flutter* $ffff$

The musical score consists of six staves of music for two horns. The first staff is for 'Horn in F I 11-limit JI'. The second staff is for 'Hn.'. The third staff is for 'Hn.'. The fourth staff is for 'Hn.'. The fifth staff is for 'Hn.'. The sixth staff is for 'Hn.'. The music is in common time (indicated by a '4') and includes various dynamics such as *f*, *ff*, *pp*, *fff*, *sffz*, *ppp*, *fp*, *p*, *mp*, *mf*, and *ff*. Articulations include *hand in bell, not too much*, *Con sord.*, *square notehead = sing pitch*, *flutter*, and *Senza sord.*. Performance instructions like *hand in bell, not too much* and *Con sord.* are placed above specific measures. Measure times are indicated by brackets below the staff, such as $6\text{:}4\text{:}$ and $5\text{:}4\text{:}$. Measures are timestamped with boxes indicating start times like 00:01.8, 00:03.6, etc. The score is titled 'Skullen a Coldie at the Servo w M8ts' and 'a polytempic polymicrotonal duo for two Horns' by Peter Thoegersen.

Skullen a Coldie at the Servo w M8ts

rubato

sing vowels

00:37.8 Hn. *ff* 00:39.5 5:4 *ee* 00:41.3 *aa* 00:43.1 *aa*

00:44.9 Hn. *mp* 00:46.7 3:2 *mf* 00:48.5 *sing contour* 00:50.2 *con brio*

00:52.0 Hn. *ffff* 00:56.7 *a tempo* 00:58.5 *mp* 01:00.3 *mf*

01:02.1 Hn. *sffz* 01:03.9 *p* 01:05.6 7:4 6:4 7:4 01:07.4 3:2

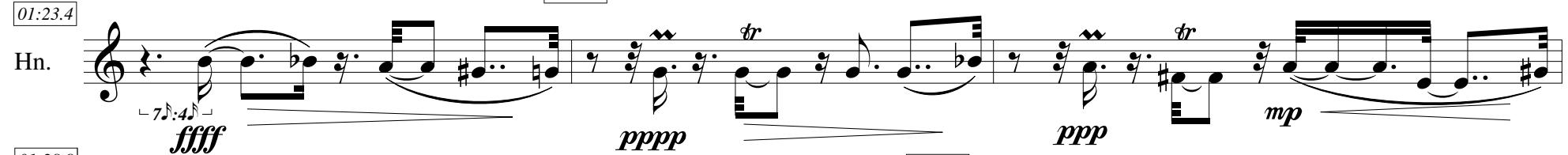
01:09.2 Hn. *ff* 01:12.7 *tr* 01:14.5 *mp*

01:16.3 Hn. *fp* 01:18.1 *fff* 6:4 01:19.9 *tr* 01:21.6

Skullen a Coldie at the Servo w M8ts

3

01:23.4

Hn. 

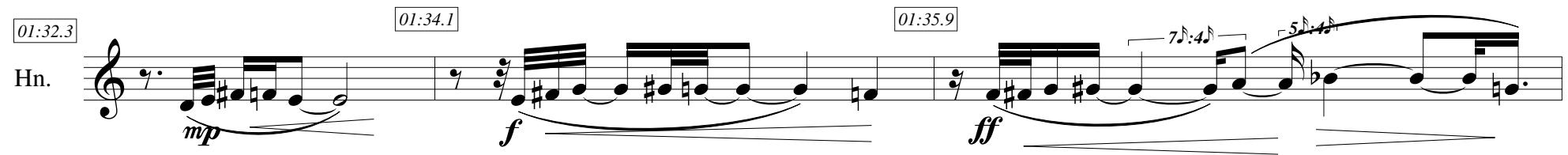
01:25.2

01:26.10

Hn. 

01:28.8

01:30.6

Hn. 

01:32.3

01:34.1

01:35.9

Hn. 

01:37.7

01:39.5

01:41.2

01:43.0

Hn. 

01:44.8

01:46.6

01:48.3

01:50.1

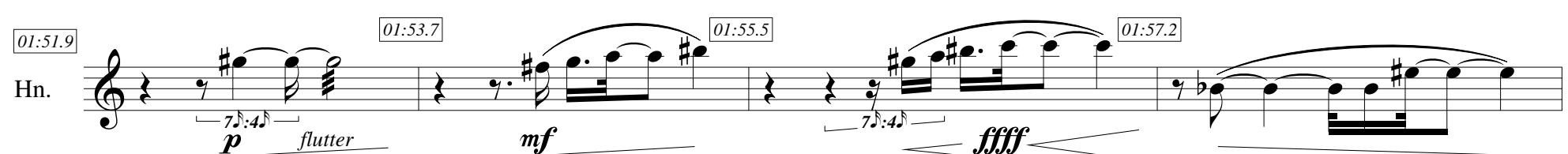
Hn. 

01:51.9

01:53.7

01:55.5

01:57.2

Hn. 

Skullen a Coldie at the Servo w M8ts

Hn. [01:59.0] 02:00.8

Hn. [02:02.6] cuivre 02:04.3

Hn. [02:06.1] 02:07.9 tr 02:09.7 flutter 02:11.5

Hn. [02:13.3] 02:15.0 02:16.8 02:18.6 02:20.4

Hn. [02:22.1] rubato hand in bell, not too much 02:23.9

Hn. [02:25.7] a tempo 02:27.5 02:29.3

Hn. [02:31.0] 02:32.8 02:34.6

Detailed description: The musical score consists of six staves of music for the Horn (Hn.). The first staff starts with a rest followed by a melodic line with dynamic changes at 02:00.8 and 02:04.3. The second staff features a sustained note with a dynamic change at 02:02.6. The third staff includes a trill at 02:07.9 and a flutter at 02:09.7. The fourth staff contains a dynamic section from 02:13.3 to 02:20.4. The fifth staff includes a performance instruction 'rubato hand in bell, not too much' at 02:22.1. The sixth staff ends with a dynamic change at 02:34.6.

Skullen a Coldie at the Servo w M8ts

Hn. *f* [02:36.4] *mf* [02:38.2] *fp* < *mf* [02:39.9] *ff* > *p*

Hn. *fff* [02:41.7] *sffz* [02:43.5] *mp* [02:45.3] *fff*

Hn. *ff* [02:47.1] *fff* [02:48.8] [02:50.6]

Hn. *f* [02:52.4] *mf* [02:54.2] [02:55.9]

Hn. *p* [02:57.7] *pppp* [02:59.5] *tongue into flutter* [03:01.3] *p* *7:4*

Hn. *f* [03:03.1] *mf* [03:04.8] *mf* [03:06.6] *sffz*

Skullen a Coldie at the Servo w M8ts

03:08.4 Hn. [03:10.2] *tr* [03:11.9] *ffff* *f* *ff*

03:13.7 Hn. [03:15.5] *mf* [03:17.3] *ff* *mf* *ff*

03:19.1 Hn. [03:20.8] *f* [03:22.6] *ff*

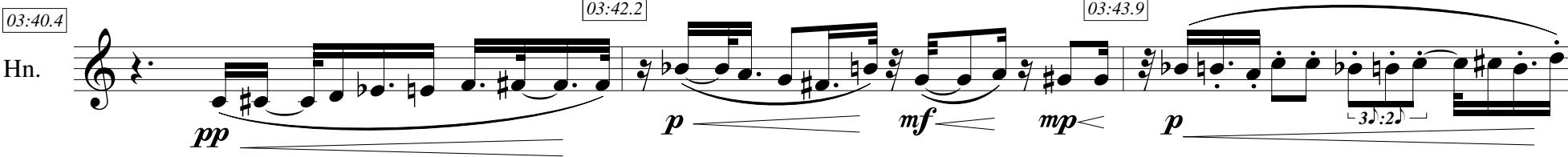
03:24.4 Hn. *mf* *sing* [03:26.2] *fff* *mp* *ffff* *mp*

03:29.7 Hn. *p* *ffff* *mp* *f*

03:35.1 Hn. *mf* [03:36.8] *7:4:7 mf* [03:38.6] *mp* *tongue into flutter*

Skullen a Coldie at the Servo w M8ts

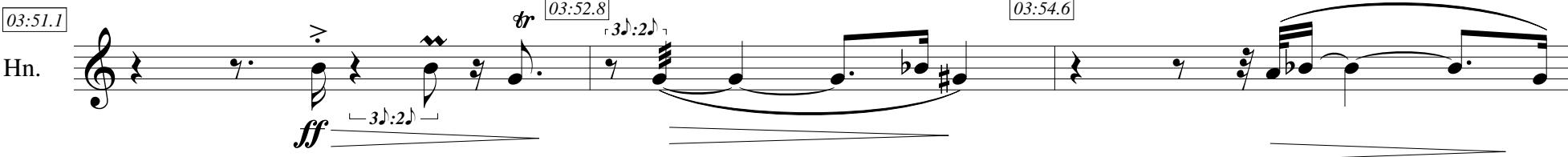
7

03:40.4 Hn. 

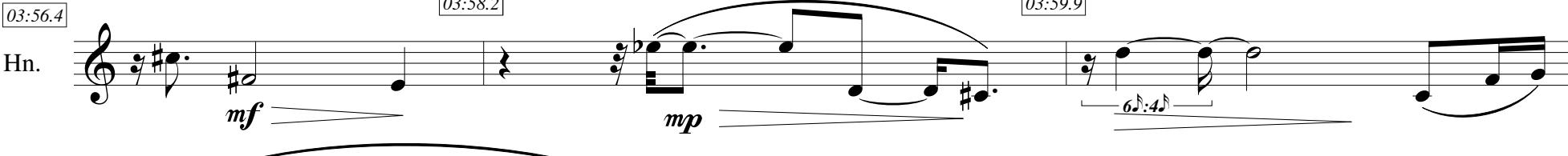
03:42.2 03:43.9

03:45.7 Hn. 

03:47.5 03:49.3

03:51.1 Hn. 

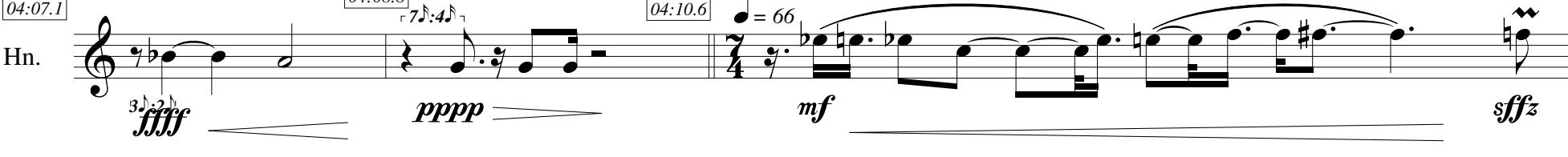
03:52.8 03:54.6

03:56.4 Hn. 

03:58.2 03:59.9

04:01.7 Hn. 

04:03.5 04:05.3

04:07.1 Hn. 

04:08.8 04:10.6 Adagio = 66 mf sffz

Skullen a Coldie at the Servo w M8ts

04:16.10 Hn. 

04:23.3

04:29.7 Hn. 

04:36.1

04:42.5 Hn. 

04:48.9

04:55.3 Hn. 

05.01.6

05:07.10 Hn. 

05:14.3

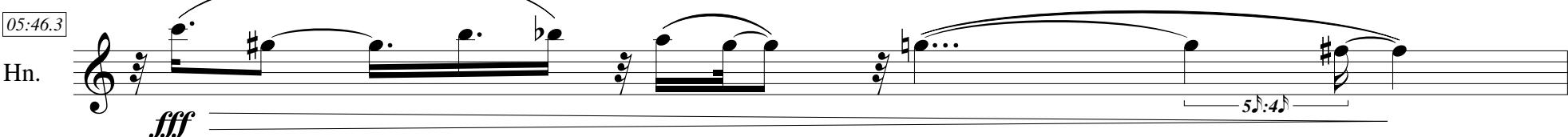
05:20.7 Hn. 

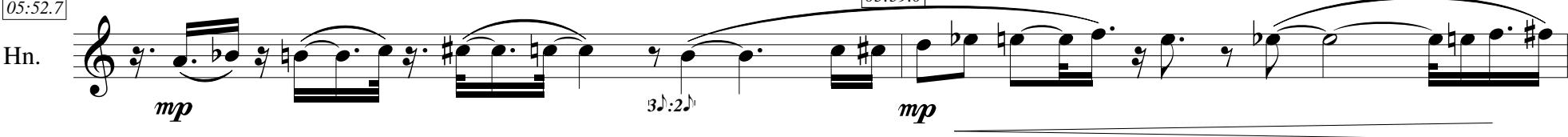
05:27.1

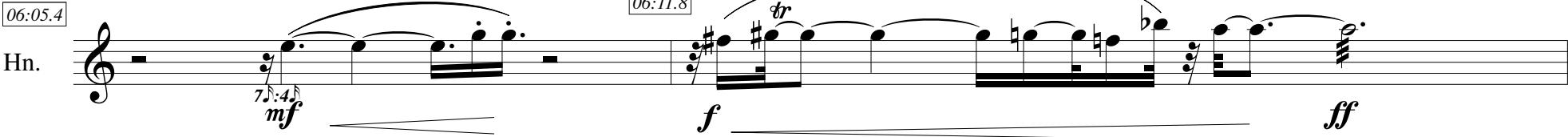
Skullen a Coldie at the Servo w M8ts

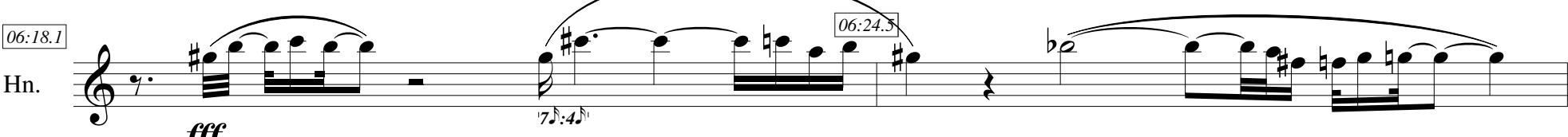
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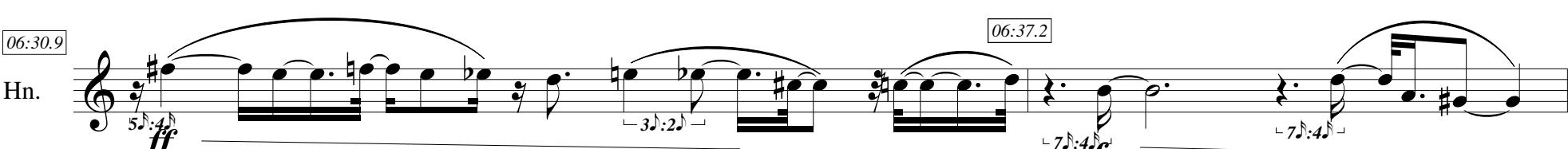
05:33.5 Hn. 

05:46.3 Hn. 

05:52.7 Hn. 

06:05.4 Hn. 

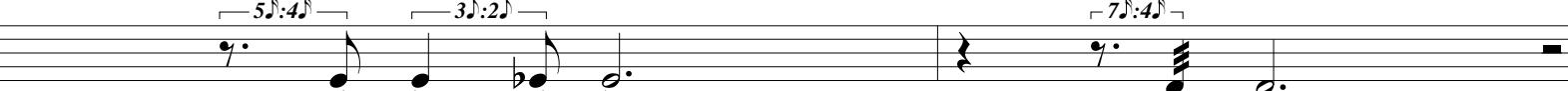
06:18.1 Hn. 

06:30.9 Hn. 

Skullen a Coldie at the Servo w M8ts

06:43.6 Hn. 

06:49.10 5:4:4

06:56.3 Hn. 

07:02.7 7:4:4

07:09.1 Hn. 

07:15.4 f 7:4:4 6:4:4

07:21.8 Hn. 

07:28.2 lontano mf

07:34.5 Hn. 

07:40.9 p

07:47.3 Hn. 

07:53.6 mf

Skullen a Coldie at the Servo w M8ts

11

07:59.10

Hn. 

08:06.4



08:12.7

Hn. 

08:19.1

08:25.5

Hn. 

08:31.8

08:38.2

Hn. 

08:44.5

08:50.9

Hn. 

08:57.3

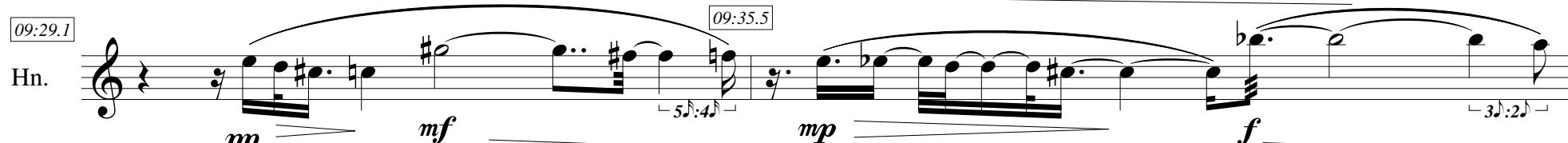
09:03.6

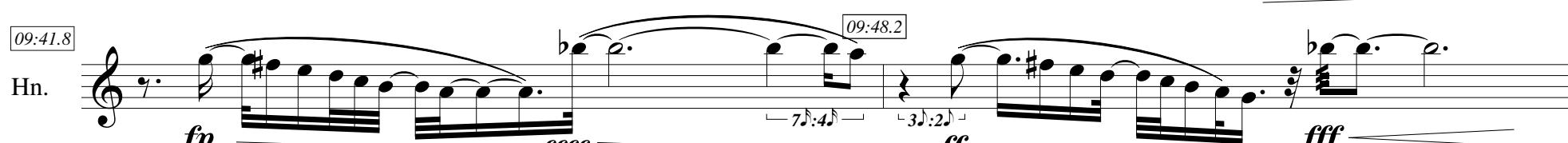
Hn. 

09:10.0

Skullen a Coldie at the Servo w M8ts

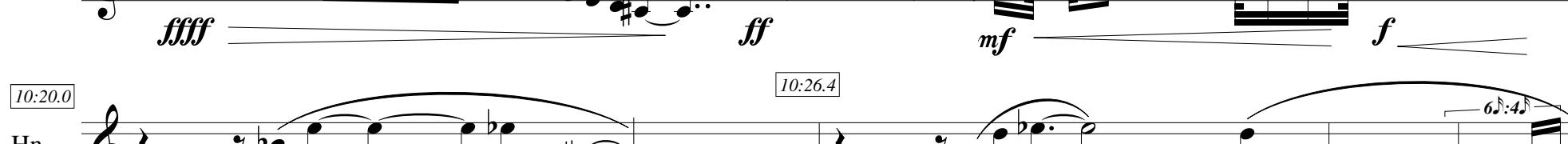
09:16.4 Hn. 

09:29.1 Hn. 

09:41.8 Hn. 

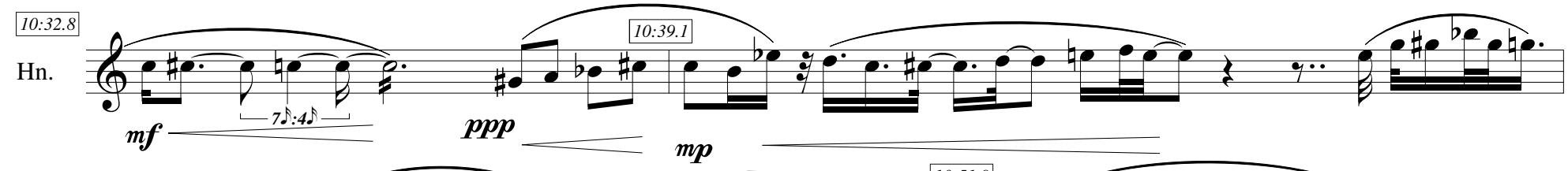
09:54.6 Hn. 

10:07.3 Hn. 

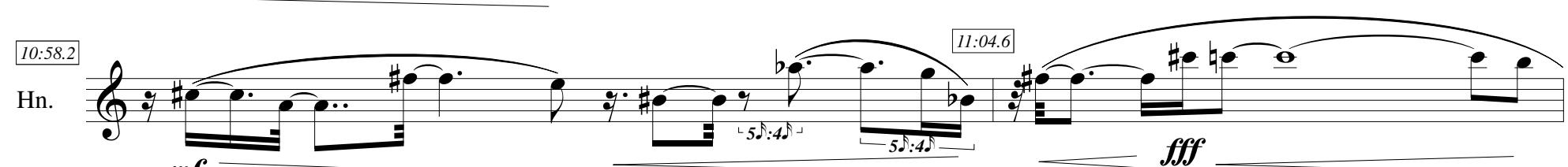
10:20.0 Hn. 

Skullen a Coldie at the Servo w M8ts

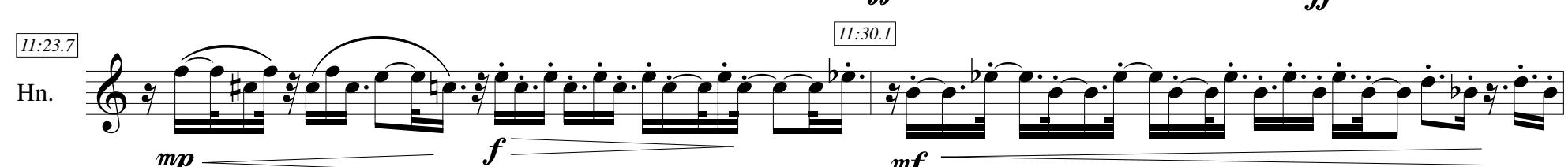
13

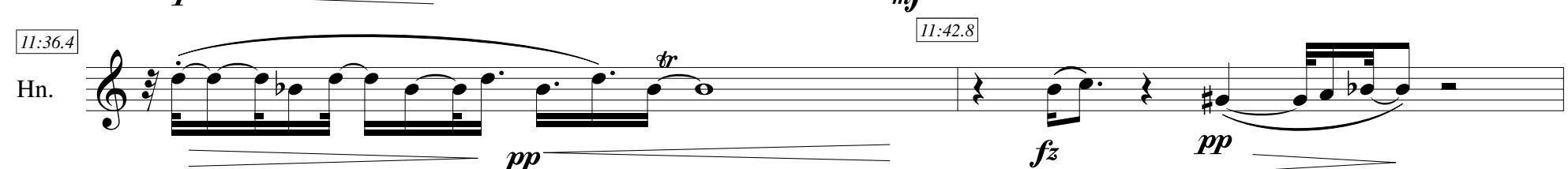
10:32.8 Hn. 

10:45.5 Hn. 

10:58.2 Hn. 

11:10.10 Hn. 

11:23.7 Hn. 

11:36.4 Hn. 

Skullen a Coldie at the Servo w M8ts

Hn. [11:49.2]

Hn. [12:01.9]

Hn. [12:14.6]

Hn. [12:27.4]

Hn. [12:40.1]

Hn. [12:52.8]

Skullen a Coldie at the Servo w M8ts

15

13:05.6 Hn. *tongue into flutter* [13:11.9] *ffff* *fp* *mf*

13:18.3 Hn. *mp* *fffff* [13:24.6] *6\4* *5\4*

13:31.0 Hn. *7\4* *fffff* [13:37.4] *mp*

13:43.7 Hn. *flutter* *p* *ff* *uu* *aa* *ee*

sing vowels [13:50.1]

13:56.5 Hn. *ffff* *Presto* [14:02.8] *f* *quasi staccato* [14:04.6] *ff*

14:06.3 Hn. *6\4* *mf* [14:08.1] [14:09.8]

Skullen a Coldie at the Servo w M8ts

Hn. *sffz* [14:11.6] *f* [14:13.4] *sffz* [14:15.1] *tr* *sffz* *sffz* *sffz*

Hn. *ffff* [14:16.9] *mp* [14:18.6] *sffz*

Hn. *ff* [14:20.4] *fz* [14:22.1] *fz* [14:23.9] *ff*

Hn. *ff* [14:25.6] *ff* [14:27.4] *ff* [14:29.1]

Hn. *ff* [14:30.9] *ff* [14:32.6] *ff* [14:34.4] *ff*

Hn. *ffff* [14:36.1] *ffff* [14:37.9] *ffff* [14:39.6] *ffff*

Skullen a Coldie at the Servo w M8ts

17

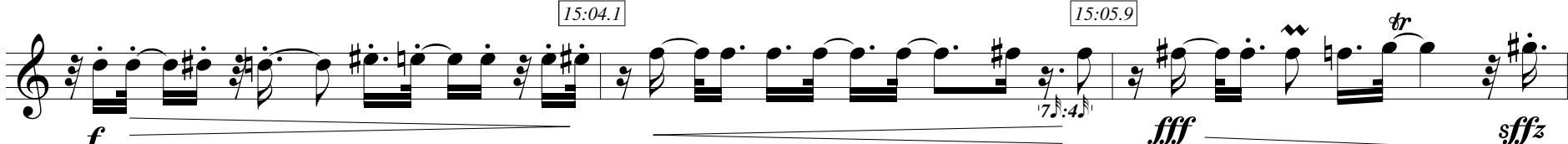
or high as possible

Hn. 14:41.4 

Hn. 14:46.6 

Hn. 14:51.9 

Hn. 14:57.1 

Hn. 15:02.4 

Hn. 15:07.6 

Skullen a Coldie at the Servo w M8ts

Hn. *p* [15:12.9] ff [15:14.6] ff [15:16.4] ff [15:18.1] *mf* [15:19.9] fff [15:21.6]

Hn. *ff* [15:23.4] *f* [15:25.1] *ff* [15:26.9] flutter gliss. [15:28.6] 5 16

Vivace

Hn. *legato* [15:30.4] *fff* [15:30.10] [15:31.6] [15:32.2] *leggiero* [15:32.9] *p* [15:33.5] ff [15:34.1] *ppp*

Skullen a Coldie at the Servo w M8ts

19

Hn. *cuvre*

Moderato ($\text{♩} = \text{c. } 108$)

ffff

pp

mp

ff

p

mf

fff

f

ff

5:4

7:4

5:4

7:4

5:4

ff

ffff

Score

Skullen a Coldie at the Servo w M8ts

a polytempic polymicrotonal duo for two horns in F

Peter Thoegersen

Adagio $\text{♩} = 66$

Horn in F II
13-limit JI

00:05.5 cuivre

00:10.9

Hn.

sing u 00:16.4

gliss sing

vocal gliss

ffff

pp

00:21.8

Hn.

a tempo

Con sord.

ff

00:27.3

00:32.7

Hn.

mf

00:38.2

ff

00:43.6

Hn.

fff

p

00:49.1

01:00.0

mf

f

tr

tr into flutter

00:54.5

Hn.

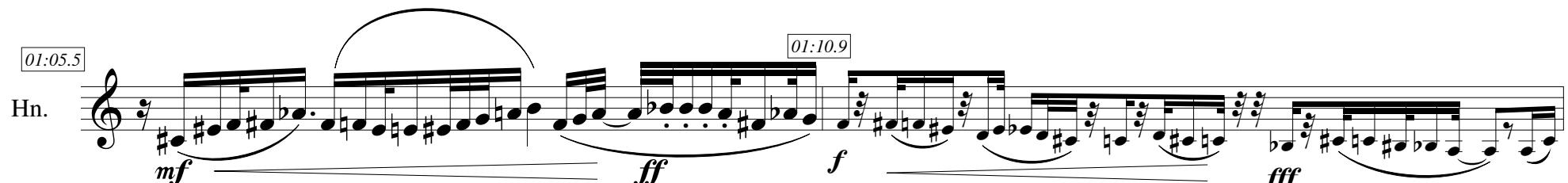
mf

mp

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Skullen a Coldie at the Servo w M8ts

01:05.5

Hn. 

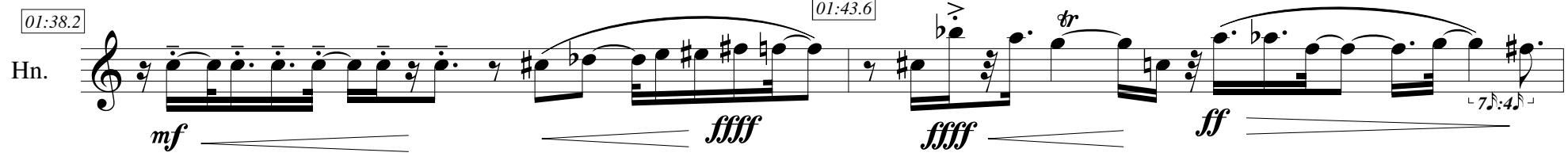
01:16.4

Hn. 

01:27.3

Hn. 

01:38.2

Hn. 

01:49.1

Hn. 

02:00.0

Hn. 

Skullen a Coldie at the Servo w M8ts

3

Hn. *ff* 02:16.4

sffz Senza sord.

fff *ff*

Hn. *mp* 02:27.3

mf *p*

ppp *f*

Hn. *mp* 02:38.2

mf *f*

mf *ff*

ff *ff*

Hn. *sing* 02:49.1

sffz *sing*

sffz 03:00.0 or highest note possible

Hn. *ffff* *ffff*

ffff *ffff*

Hn. *sss* 03:05.5

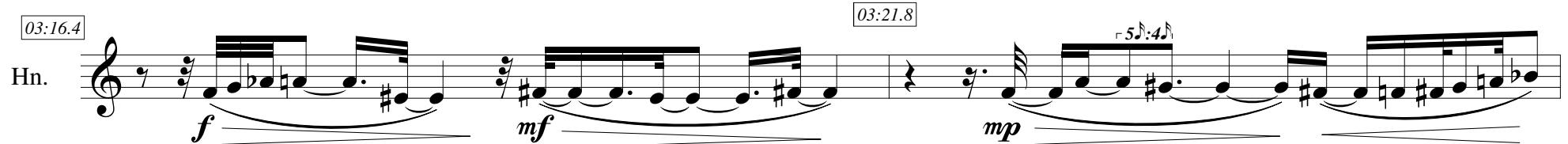
f into flutter

mp 03:10.9

mp *sffz*

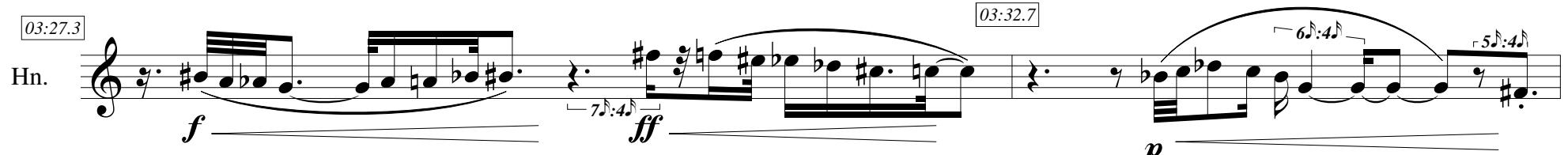
Skullen a Coldie at the Servo w M8ts

03:16.4

Hn. 

03:21.8

03:27.3

Hn. 

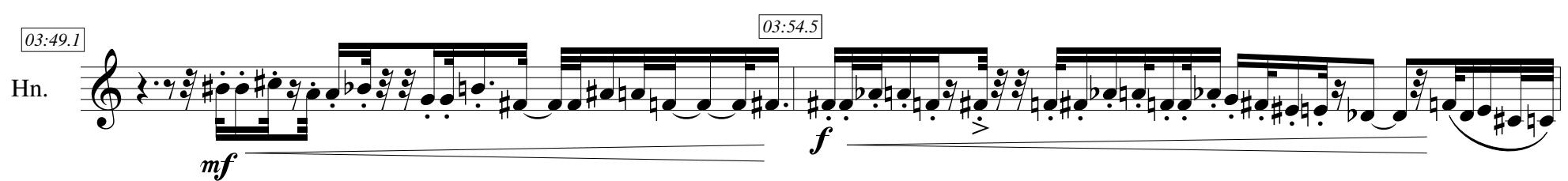
03:32.7

03:38.2

Hn. 

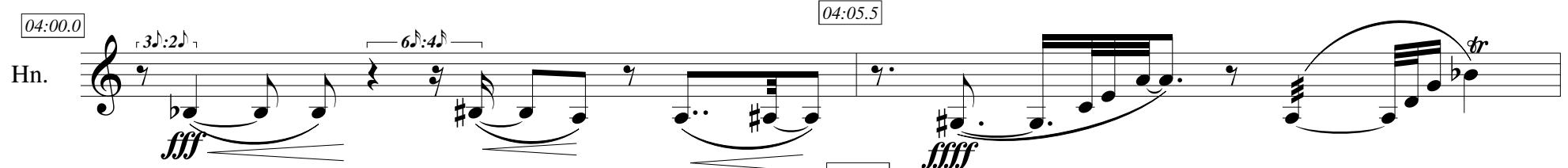
03:43.6

03:49.1

Hn. 

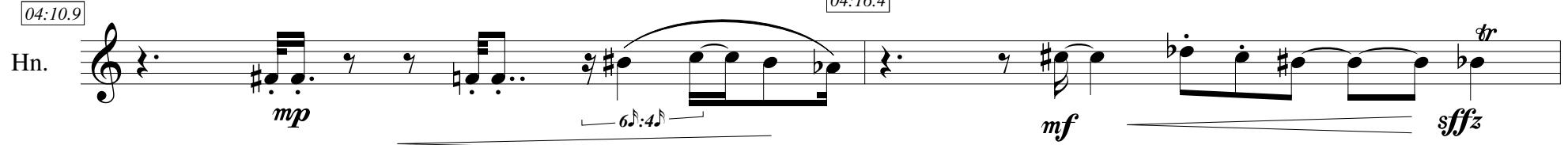
03:54.5

04:00.0

Hn. 

04:05.5

04:10.9

Hn. 

04:16.4

Skullen a Coldie at the Servo w M8ts

5

Hn. *04:21.8* *fff* *tr* *04:27.3*

Hn. *04:32.7* *f* *mp* *04:38.2*

Hn. *04:43.6* *mf* *f* *ff* *tr* *04:49.1*

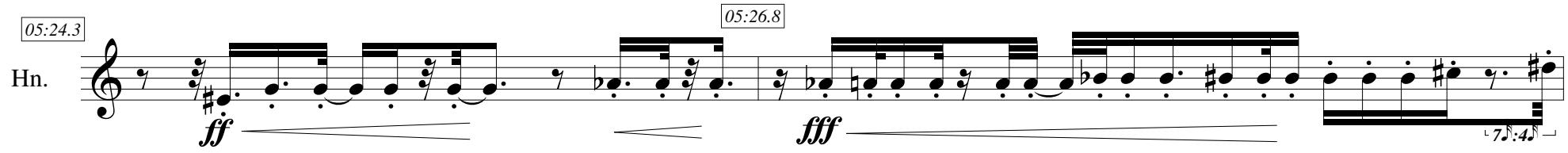
Hn. *04:54.5* *mp* *p* *ff* *05:00.0*

Hn. *05:05.5* *f* *05:10.9*

Hn. *05:16.4* *Moderato* ($\text{♩} = \text{c. } 108$) *05:21.8* *mf*

Skullen a Coldie at the Servo w M8ts

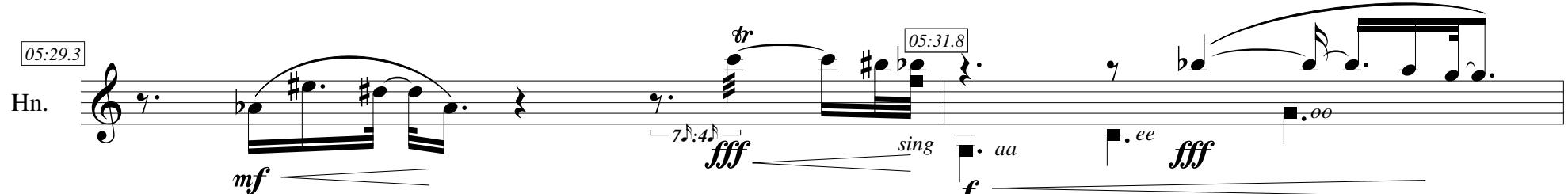
05:24.3

Hn. 

05:26.8

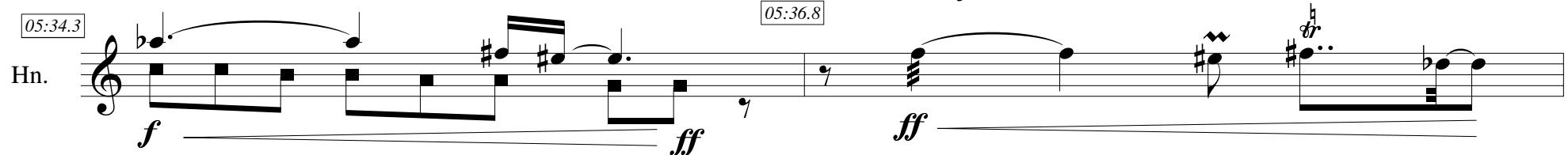
05:29.3

Hn. 

05:31.8

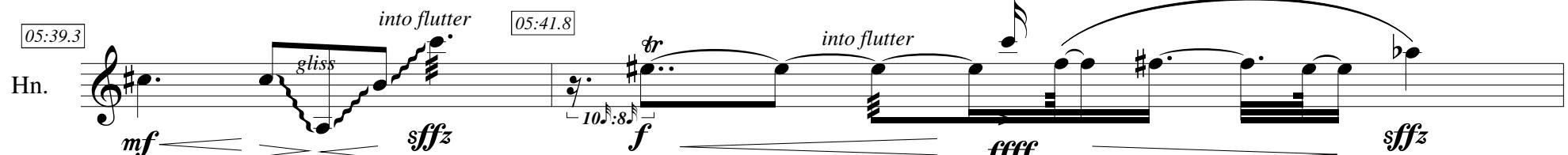
05:34.3

Hn. 

05:36.8



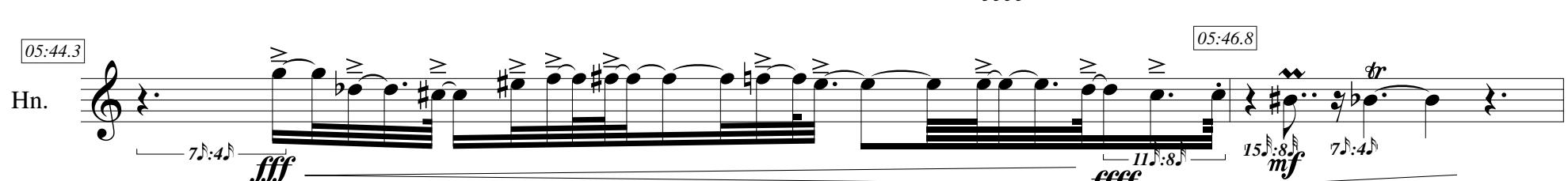
05:39.3

Hn. 

05:41.8

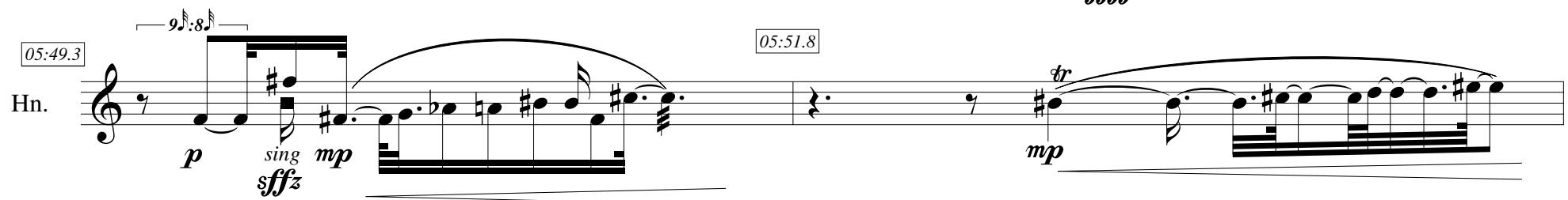
05:44.3

Hn. 

05:46.8

05:49.3

Hn. 

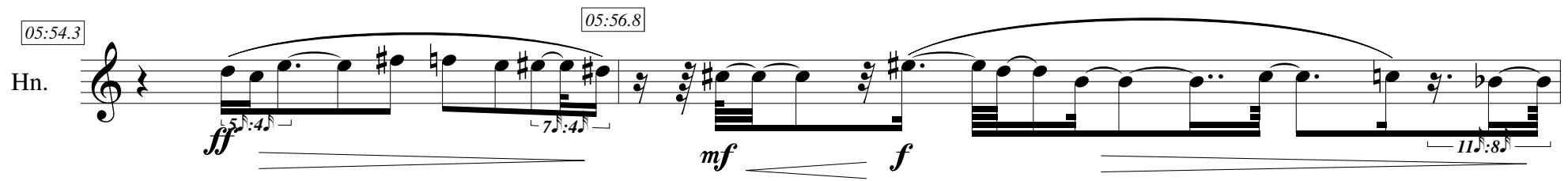
    

05:51.8

Skullen a Coldie at the Servo w M8ts

7

05:54.3

Hn. 

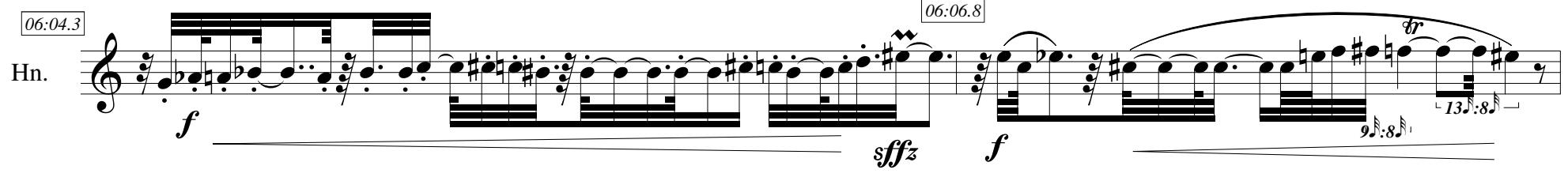
05:56.8

05:59.3

Hn. 

06:01.8

06:04.3

Hn. 

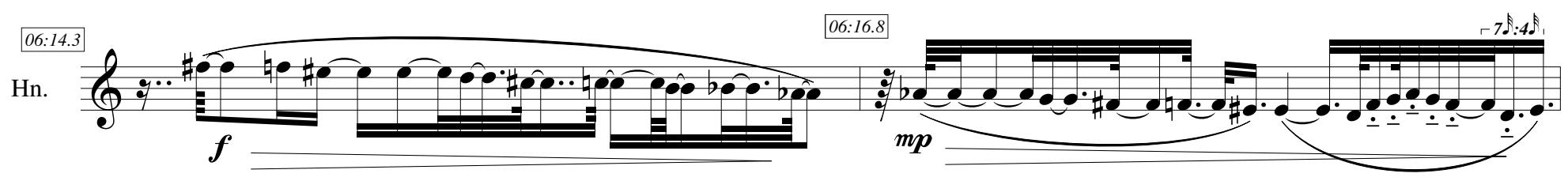
06:06.8

06:09.3

Hn. 

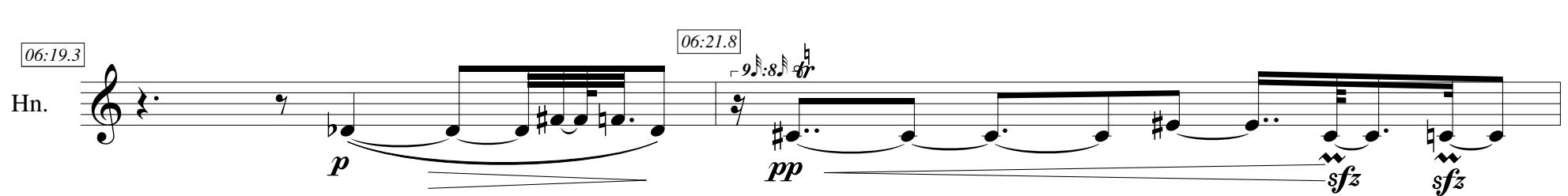
06:11.8

06:14.3

Hn. 

06:16.8

06:19.3

Hn. 

Skullen a Coldie at the Servo w M8ts

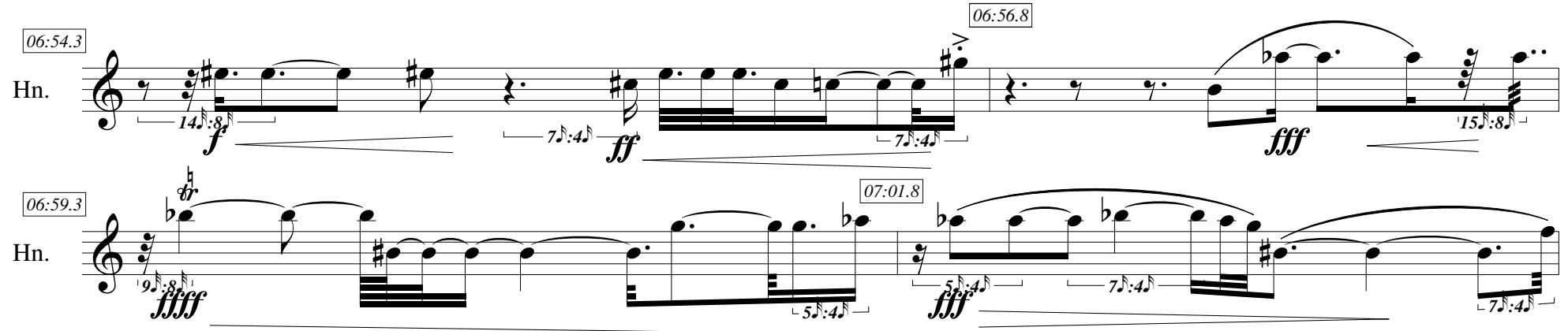
This figure displays a musical score for Horn (Hn.) across eight staves. The score is annotated with performance instructions and time signatures.

- Staff 1:** Dynamics include ***fff***, ***ff***, and ***15:8***. Time signatures include ***15:8*** and ***11:8***.
- Staff 2:** Dynamics include ***mf*** and ***ff***. Time signatures include ***15:8***, ***15:8***, ***14:8***, and ***12:8***.
- Staff 3:** Dynamics include ***sss*** and ***ff***. Time signatures include ***5:4***, ***7:4***, ***7:4***, and ***12:8***.
- Staff 4:** Dynamics include ***mp***, ***p***, ***mf***, and ***9:8***. Time signatures include ***3:2***, ***7:4***, ***6:4***, and ***9:8***.
- Staff 5:** Dynamics include ***mp*** and ***f***. Time signatures include ***7:4*** and ***15:8***.
- Staff 6:** Dynamics include ***ff*** and ***ff***. Time signatures include ***11:8***, ***9:8***, and ***11:8***.

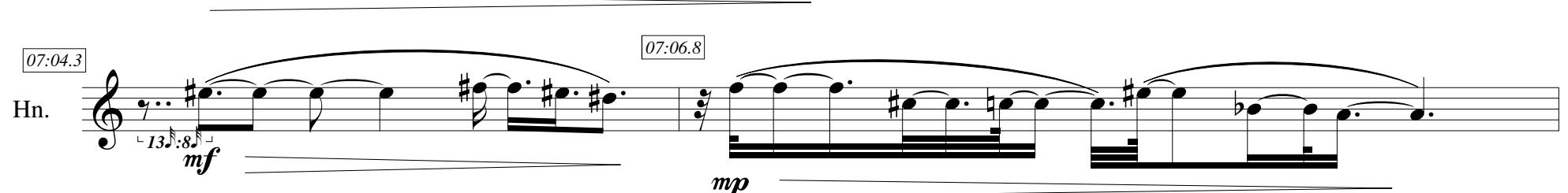
Performance instructions include ***tr*** (trill) and dynamic markings such as ***fff***, ***ff***, ***mf***, ***p***, ***mp***, and ***f***.

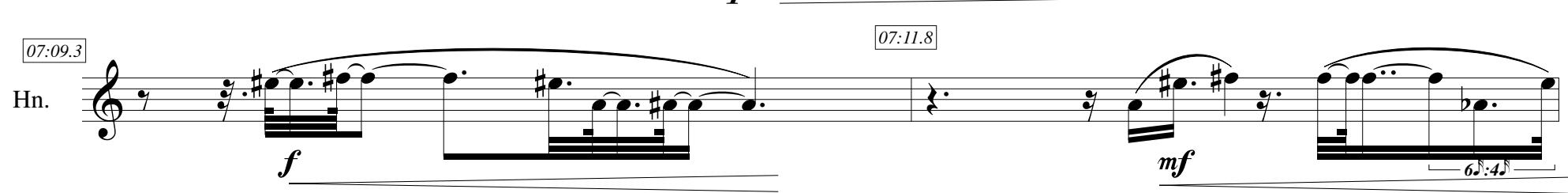
Skullen a Coldie at the Servo w M8ts

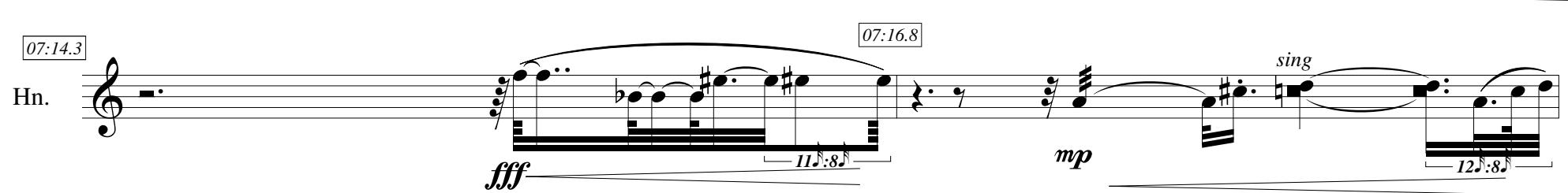
9

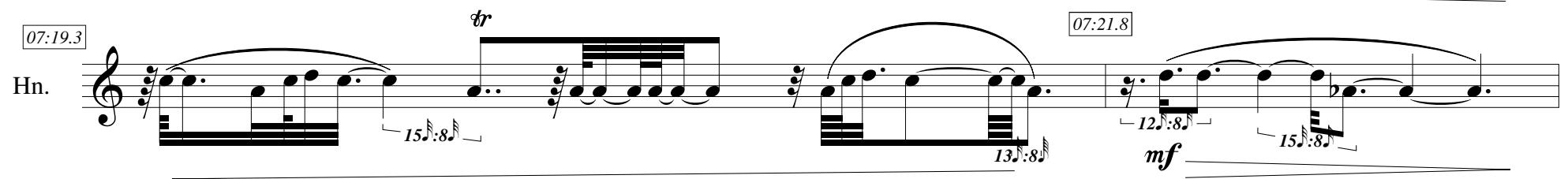
Hn. 06:54.3 

Hn. 06:59.3

Hn. 07:04.3 

Hn. 07:09.3 

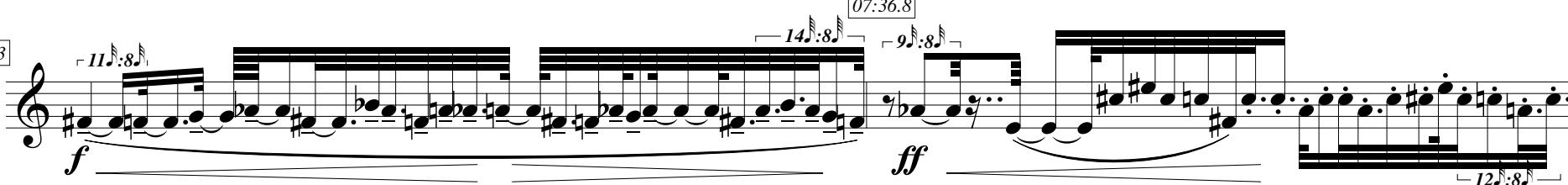
Hn. 07:14.3 

Hn. 07:19.3 

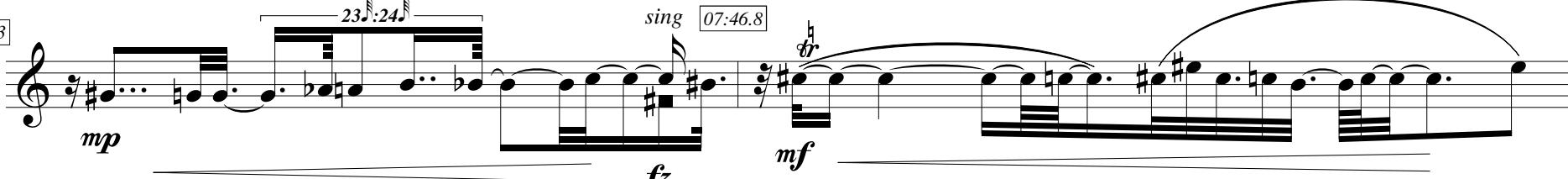
Skullen a Coldie at the Servo w M8ts

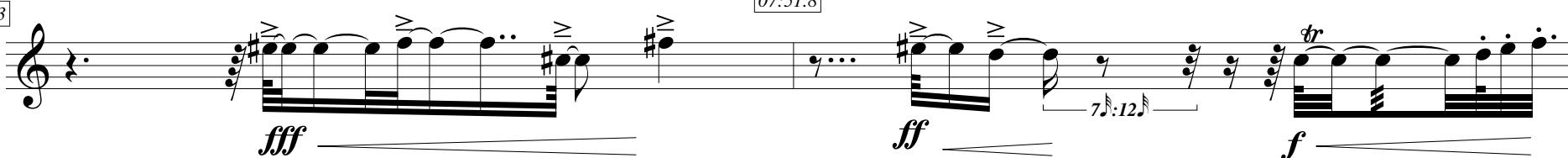
Hn. 07:24.3 

Hn. 07:29.3 

Hn. 07:34.3 

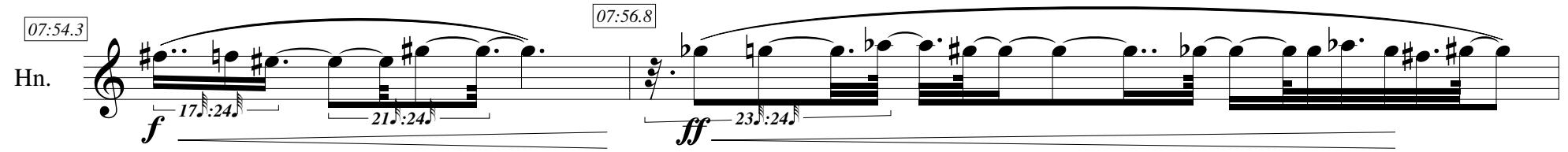
Hn. 07:39.3 

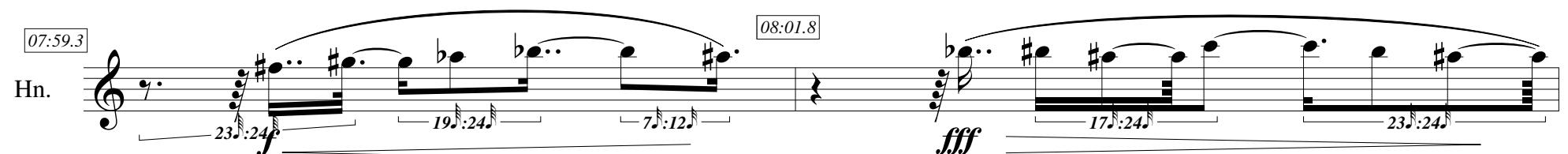
Hn. 07:44.3 

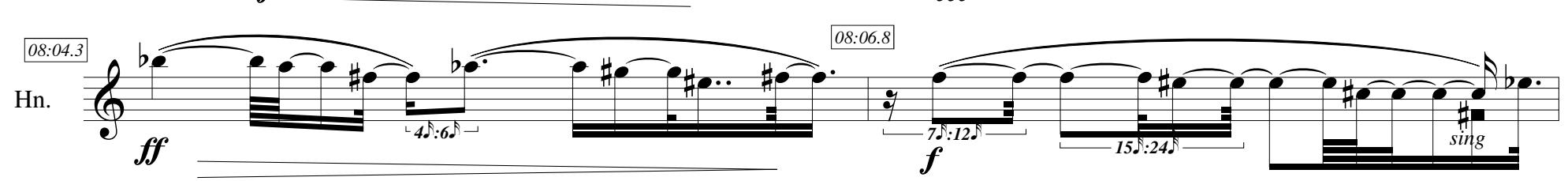
Hn. 07:49.3 

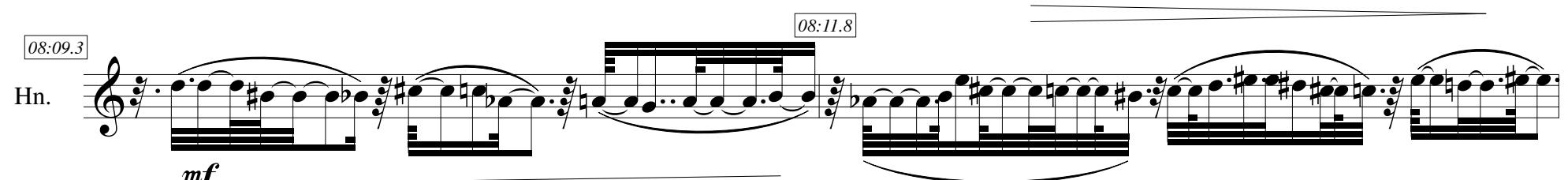
Skullen a Coldie at the Servo w M8ts

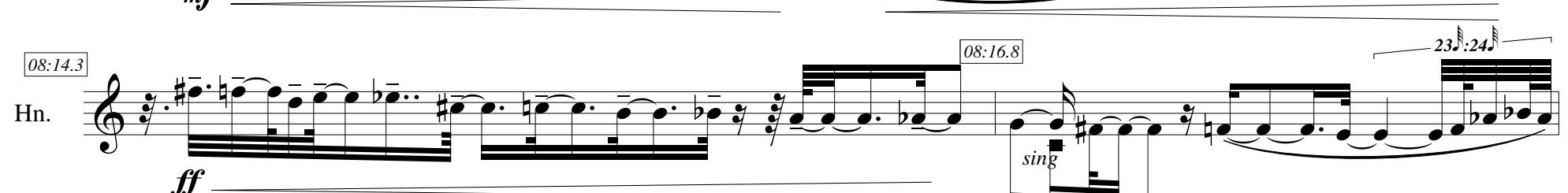
11

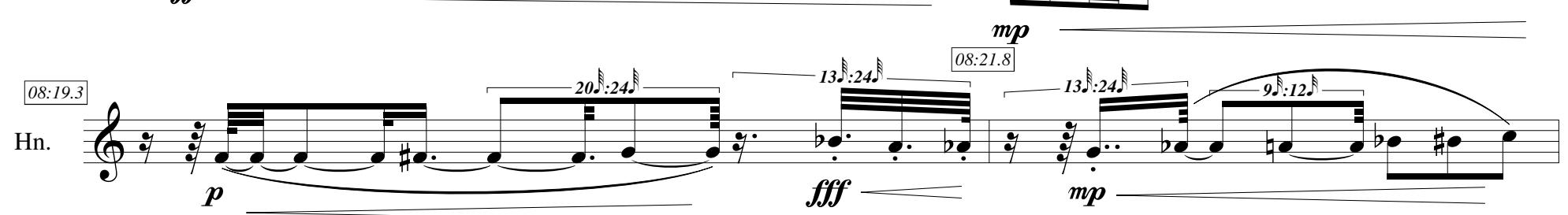
Hn. 07:54.3 

Hn. 07:59.3 

Hn. 08:04.3 

Hn. 08:09.3 

Hn. 08:14.3 

Hn. 08:19.3 

Skullen a Coldie at the Servo w M8ts

Hn. *f*

Hn. *ff* *sffz* *fff*

Andante

ffff *20:24* *mp* *7:4* *5:4* *6:4*

Hn. *mf*

Hn. *sffz*

Hn. *f* *sffz* *mf*

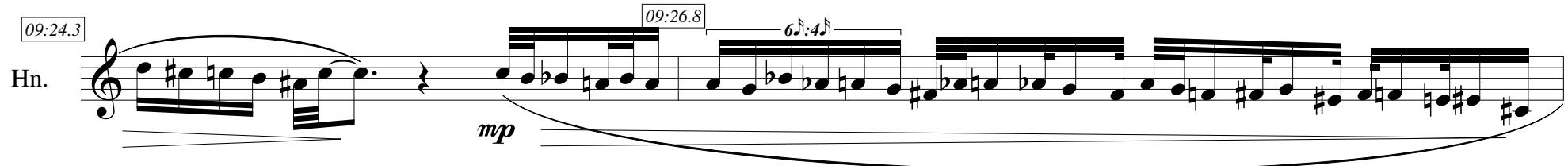
Hn. *ffff* *sffz* *p*

Skullen a Coldie at the Servo w M8ts

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Hn. *pp* 08:54.3 5:4 08:56.8 *mp* 08:59.3 3:2:1 *mf* 09:01.8 7:4:1 *f* 09:04.3 7:4:1 *mf* 09:06.8 *f* 09:09.3 *mp* 09:11.8 *f* 09:14.3 09:16.8 *fff* 09:19.3 *ff* 09:21.8 *f* *mp*

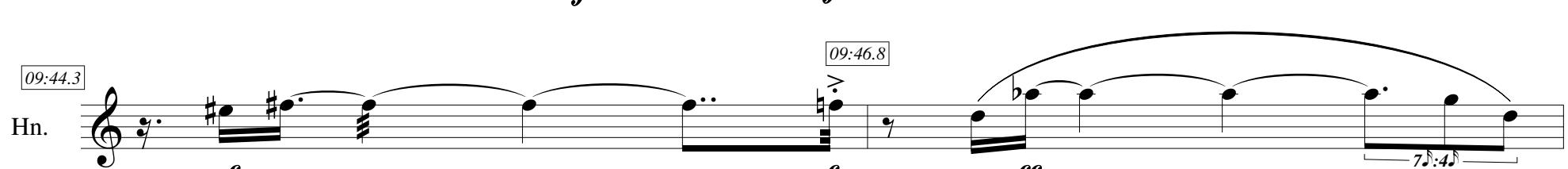
Skullen a Coldie at the Servo w M8ts

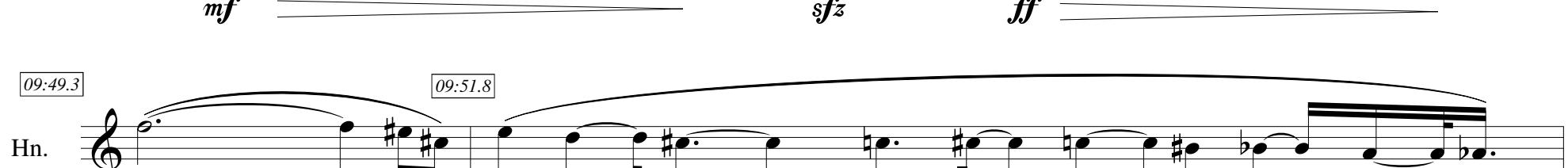
Hn. [09:24.3] 

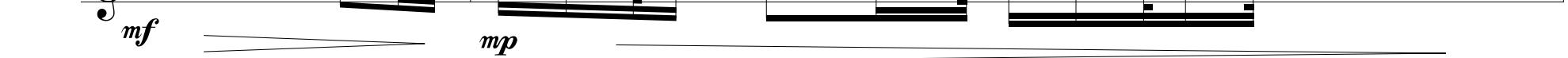
Hn. [09:26.8] 

Hn. [09:29.3] 

Hn. [09:34.3] 

Hn. [09:39.3] 

Hn. [09:44.3] 

Hn. [09:49.3] 

Skullen a Coldie at the Servo w M8ts

15

Hn. 09:54.3 09:56.8

Hn. 09:59.3 10:01.8

Hn. 10:04.3 10:06.8

Hn. 10:09.3 10:11.8

Hn. 10:14.3 10:16.8

Hn. 10:19.3 10:21.8

Skullen a Coldie at the Servo w M8ts

Hn. 10:24.3 10:26.8

Hn. 10:29.3 10:31.8

Hn. 10:34.3 10:36.8 *staccatissimo molto*

Hn. 10:39.3 10:41.8

Hn. 10:44.3 10:46.8

Hn. 10:49.3 10:51.8

Skullen a Coldie at the Servo w M8ts

17

Hn. *ff*

Hn. *mf* *sing* *f* *p*

Hn. *pp* *ff* *mf* *sing*

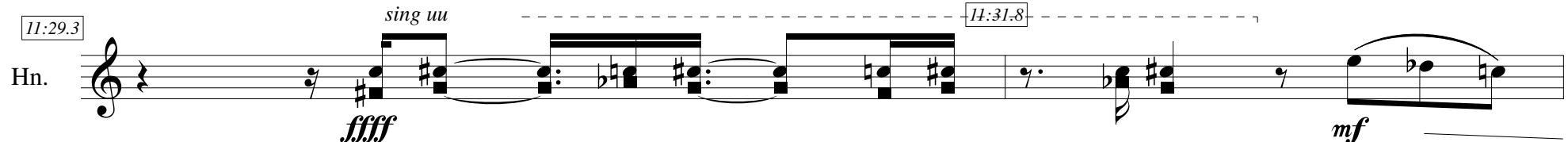
Hn. *ffff* *f*

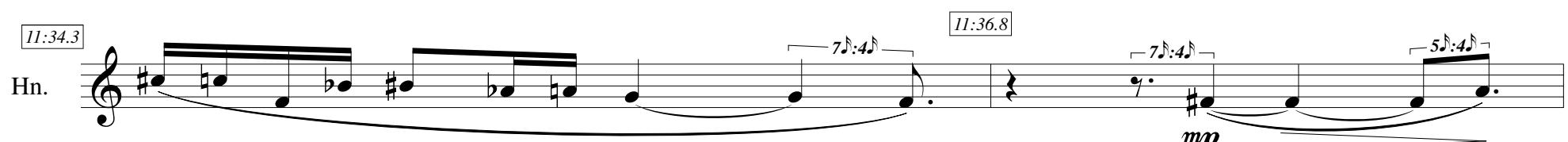
Hn. *mp* *mf* *p*

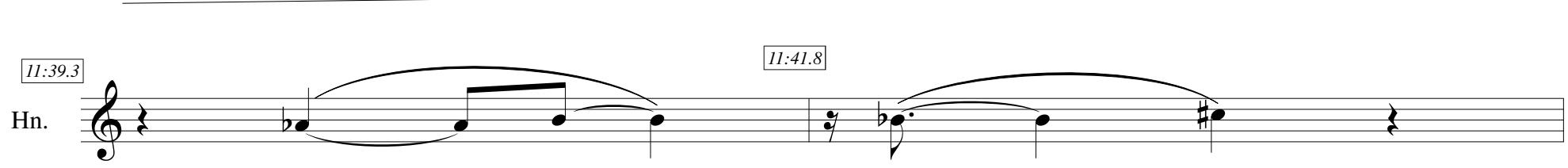
Hn. *mf* *f*

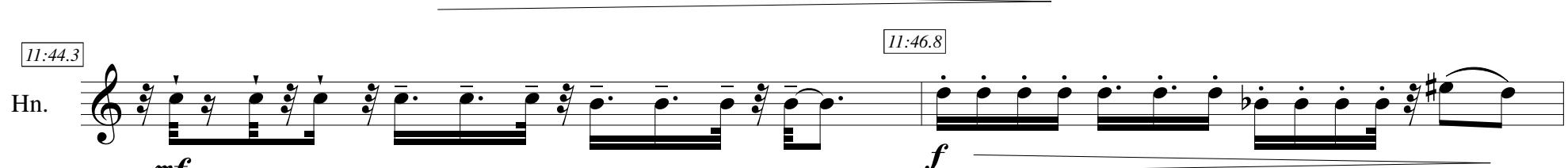
Skullen a Coldie at the Servo w M8ts

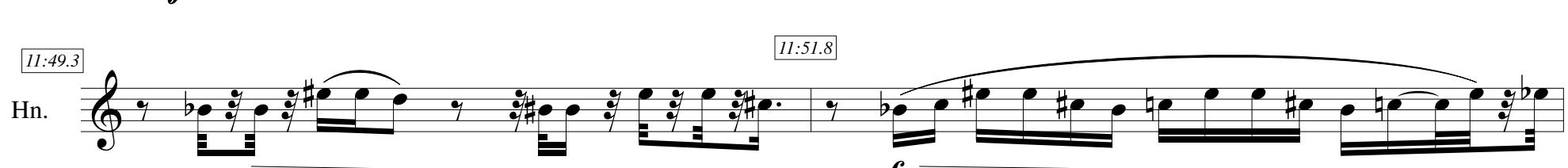
Hn. 11:24.3 - 11:26.8 

Hn. 11:29.3 *sing uu* 11:31.8 

Hn. 11:34.3 11:36.8 

Hn. 11:39.3 11:41.8 

Hn. 11:44.3 11:46.8 

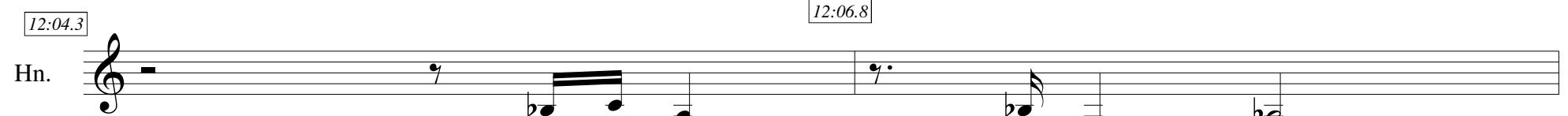
Hn. 11:49.3 11:51.8 

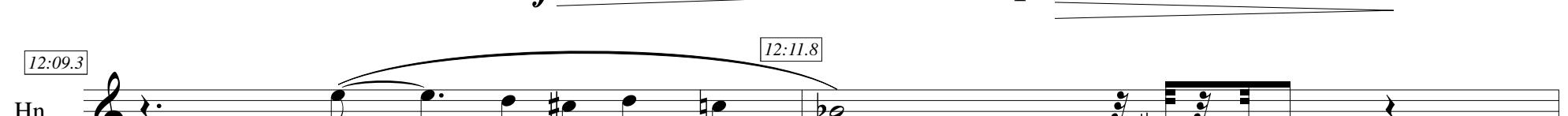
Skullen a Coldie at the Servo w M8ts

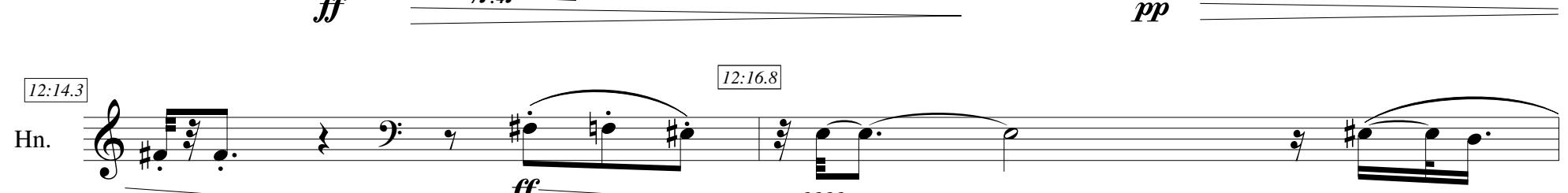
19

Hn. 11:54.3  11:56.8

Hn. 11:59.3  12:01.8

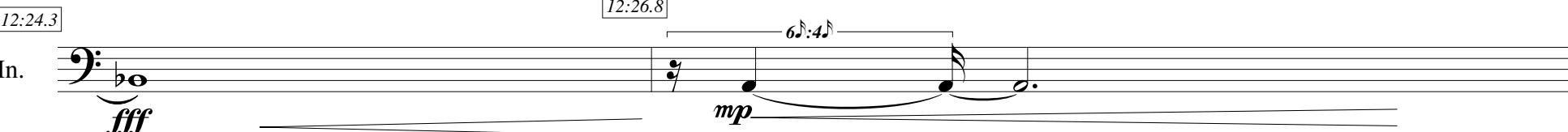
Hn. 12:04.3  12:06.8

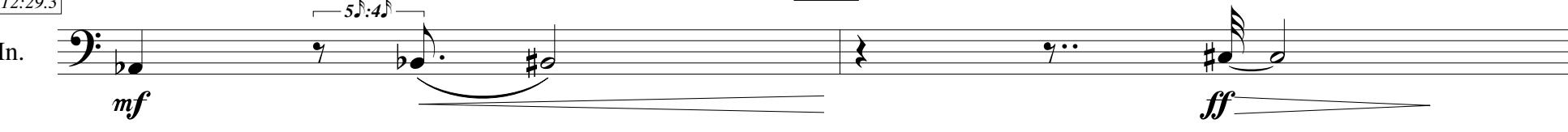
Hn. 12:09.3  12:11.8

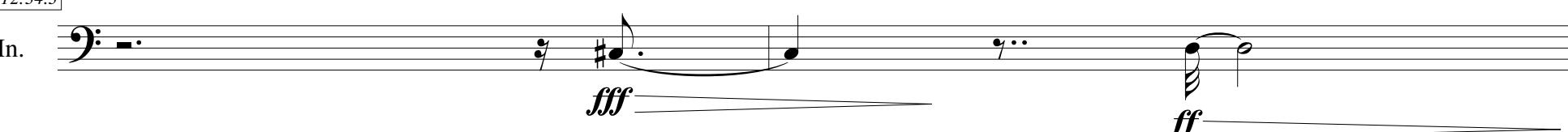
Hn. 12:14.3  12:16.8

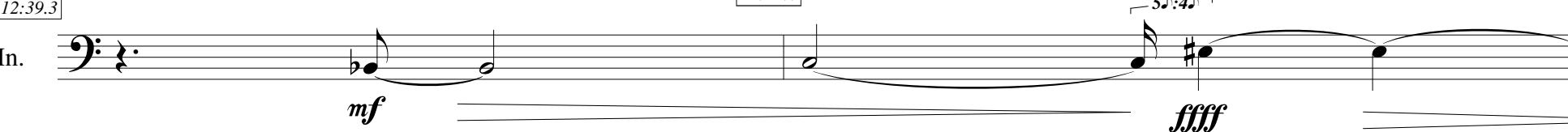
Hn. 12:19.3  12:21.8 $\overbrace{\hspace{10em}}^{5:4}$

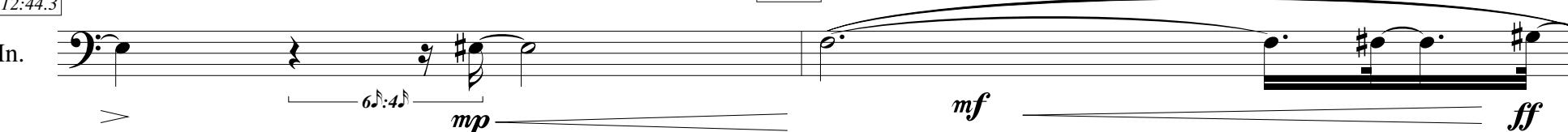
Skullen a Coldie at the Servo w M8ts

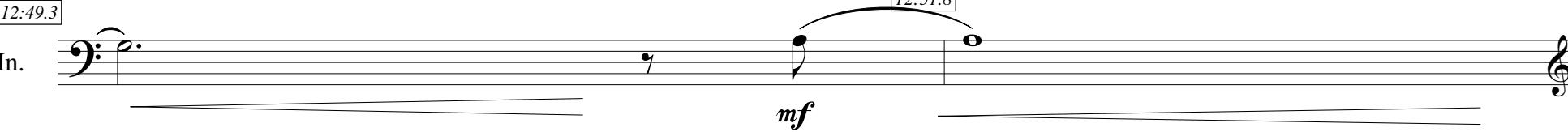
Hn. 

Hn. 

Hn. 

Hn. 

Hn. 

Hn. 

Skullen a Coldie at the Servo w M8ts

12:54.3

Hn. 

12:56.8

12:59.3

Hn. 

13:01.8

13:04.3

Hn. 

13:06.8

13:09.3

Hn. 

13:11.8

13:14.3

Hn. 

13:16.8

13:19.3

Hn. 

13:21.8

Skullen a Coldie at the Servo w M8ts

Hn. 13:24.3 13:26.8 13:29.3 13:31.8 13:34.3 13:36.8 13:39.3 13:41.8 13:44.3 13:46.8 13:49.3 13:51.8

Skullen a Coldie at the Servo w M8ts

23

Hn. 13:54.3 *ff* 13:56.8

Hn. 13:59.3 *mf* 14:01.8 *Andante* $\text{♩} = 104$ *fff*

Hn. 14:04.1

Hn. 14:06.4 *f* 14:08.8 *mf*

Hn. 14:11.1 *mp* 14:13.4 *mf*

Hn. 14:15.7 *f* 14:17.10 *7:4:1*

Skullen a Coldie at the Servo w M8ts

Musical score for Horn (Hn.) featuring eight staves of music. The score includes dynamic markings such as *f*, *mf*, *p*, *mp*, *mf*, *pp*, and *fff*. Measure times indicated include $6\ddot{8}:4\ddot{8}$ and $6\ddot{8}:4\ddot{8}$. Measure numbers and times marked on the score are: 14:20.3, 14:22.6, 14:24.9, 14:27.2, 14:29.5, 14:31.8, 14:34.1, 14:36.4, 14:38.8, 14:41.1, 14:43.4, and 14:45.7.

Skullen a Coldie at the Servo w M8ts

25

Hn. 14:47.10

Hn. 14:52.6

Hn. 14:57.2

Hn. 15:01.8

Hn. 15:06.4

Hn. 15:11.1

into flutter

Skullen a Coldie at the Servo w M8ts

15:15.7 Hn. *mp* 15:17.10

15:20.3 Hn. *ff* 5:4 7:4 *f* 15:22.6

15:24.9 Hn. *fff* 15:27.2 *mf*

15:29.5 Hn. *sing* 7:4 *f* 15:31.8

15:34.1 Hn. 7:4 *fff* 15:36.4 *sffz*

15:38.8 Hn. *f* 15:41.1 *sing uu* *p* *mf* *f*

15:43.4

Hn.

15:45.7 *f*

15:47.10 *ff*

15:50.3 *fff* *ffff*

15:52.6

15:54.9 *ff* *tr* *7:4* *morendo*

This musical score for Horn (Hn.) consists of three staves of music. Staff 1 begins at measure 15:43.4 with a single note on the G4 line, followed by a short horizontal line indicating a rest. Staff 2 begins at measure 15:45.7 with a dynamic marking 'f' below the staff. The music consists of a series of eighth-note patterns with various accidentals (sharps and flats) and rests, leading to a dynamic 'ff' at measure 15:47.10. Staff 3 begins at measure 15:50.3 with a dynamic 'fff' below the staff. It features a series of eighth-note patterns with accidentals and rests, followed by a dynamic 'ffff' at measure 15:52.6. The score then transitions to a new section starting at measure 15:54.9, indicated by a dynamic 'ff' and a trill symbol ('tr'). This section includes a tempo change to '7:4' and ends with a dynamic 'morendo'.